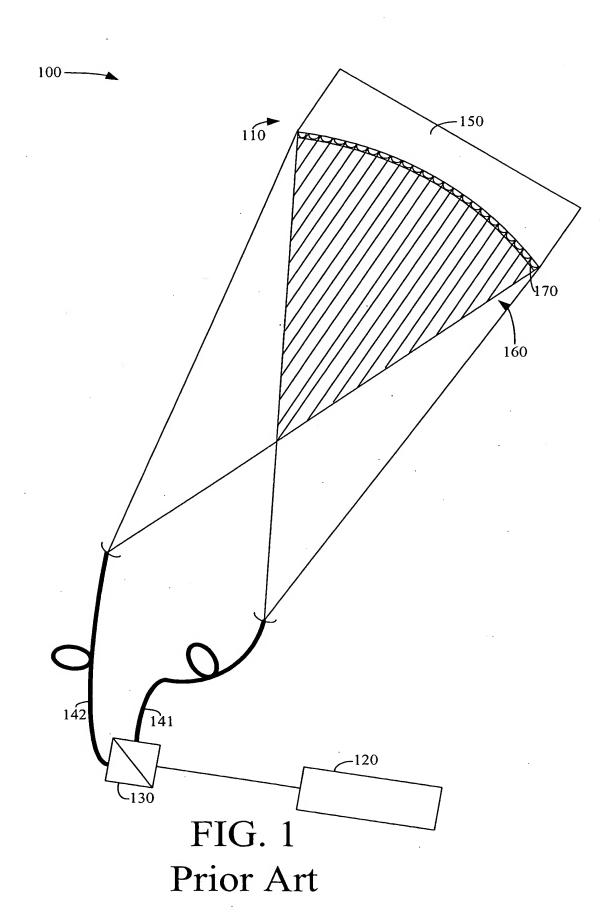
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Title: Self-Aligning Holographic Optical... Inventors: Mikes et al. Docket No: 10004281-1; Page 2 of 6

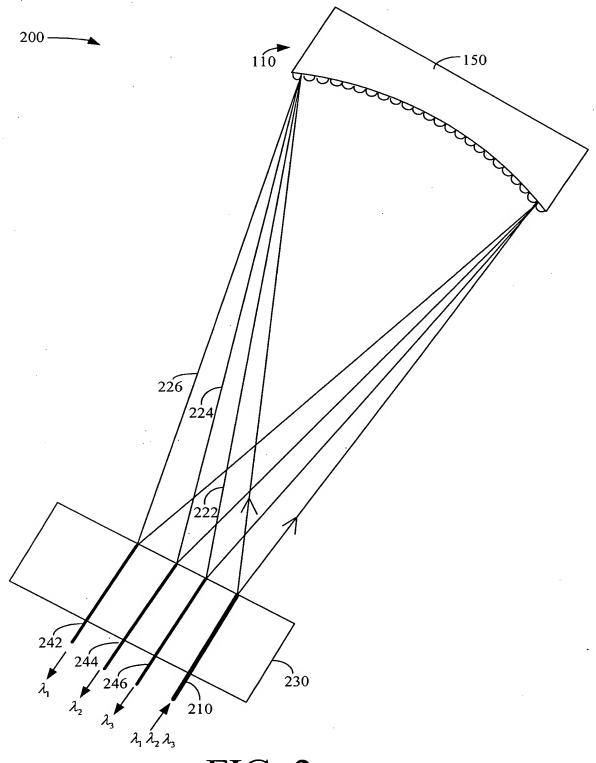


FIG. 2 Prior Art

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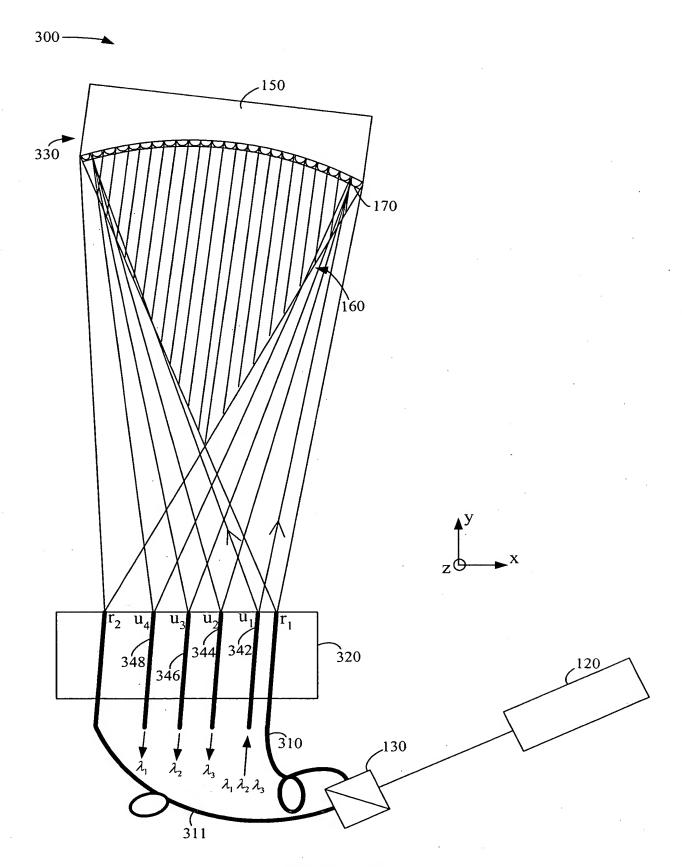


FIG. 3

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400

DETERMINE A POSITIONAL RELATIONSHIP BETWEEN RELATIVE LOCATIONS OF USE POINTS AND RECORDING POINTS WITH RESPECT TO A HOLOGRAPHIC DIFFRACTION GRATING

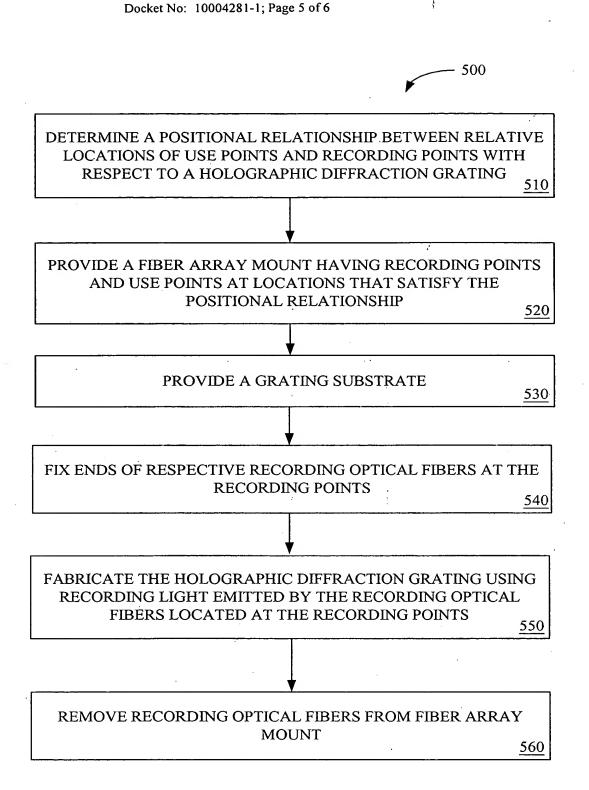
410

PROVIDE A FIBER ARRAY MOUNT HAVING RECORDING POINTS AND USE POINTS AT LOCATIONS THAT SATISFY THE POSITIONAL RELATIONSHIP

420

FABRICATE THE HOLOGRAPHIC DIFFRACTION GRATING USING RECORDING LIGHT EMITTED BY THE OPTICAL FIBERS LOCATED AT THE RECORDING POINTS

FIG. 4



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Inventors: Mikes et al.

FIG. 5

Title: Self-Aligning Holographic Optical... Inventors: Mikes et al. Docket No: 10004281-1; Page 6 of 6 600 FIX ENDS OF RESPECTIVE INPUT AND OUTPUT OPTICAL FIBERS AT THE USE POINTS 610 USE HOLOGRAPHIC DIFFRACTION GRATING TO OPTICALLY COMMUNICATE BETWEEN AN INPUT FIBER AT AN INPUT USE POINT AND OUTPUT FIBERS AT OUTPUT USE POINTS FIG. 6 700 DETERMINE A POSITIONAL RELATIONSHIP BETWEEN THE RELATIVE LOCATIONS OF USE POINTS AND RECORDING POINTS WITH RESPECT TO THE HOLOGRAPHIC DIFFRACTION GRATING PROVIDE A FIBER ARRAY MOUNT HAVING USE POINTS AND RECORDING POINTS AT LOCATIONS THAT SATISFY THE POSITIONAL RELATIONSHIP 720

BY ALIGNING THE RECORDING POINTS WITH THE HOLOGRAPHIC DIFFRACTION GRATING, THE USE POINTS ARE SELF-ALIGNED WITH THE HOLOGRAPHIC DIFFRACTION GRATING 740

ALIGN THE RECORDING POINTS WITH THE HOLOGRAPHIC DIFFRACTION GRATING

730

FIG. 7